


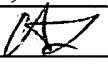


FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office				Attorney Docket Number 9220-3		Serial No. 09/684,184	
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)							
							
Applicants: Ping Fu et al.						Filing Date: October 6, 2000	
Group 2123							
U. S. PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate	
 	1	6,110,409	08/29/00	Allanic et al.	264	401	
	2	6,103,156	08/15/00	Holtzberg	264	102	
	3	6,069,963	05/30/00	Martin et al.	381	313	
	4	6,022,311	02/08/00	Juneau et al.	600	25	
	5	5,968,561	10/19/99	Batchelder et al.	425	375	
	6	5,948,342	09/07/99	Nakazawa et al.	264	400	
	7	5,939,008	08/17/99	Comb et al.	264	308	
	8	5,889,874	03/30/99	Schmitt et al.	381	328	
	9	5,875,254	02/23/99	Hanright	381	329	
	10	5,866,058	02/02/99	Batchelder et al.	264	237	
	11	5,587,913	12/24/96	Abrams et al.	364	468.26	
	12	5,398,193	03/14/95	deAngelis	364	468	
	13	5,357,576	10/18/94	Arndt	381	68.6	
	14	5,084,224	01/28/92	Watters	264	155	
	15	4,870,688	09/26/89	Voroba et al.	381	60	
	16	4,652,414	03/24/87	Schlaegel	264	154	
	17	4,569,812	02/11/86	Werwath et al.	264	222	
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation Yes No	
	18	091030000 A	04/15/97	Japan		X (Abstract)	
	19	11055796 A	02/26/99	Japan		X (Abstract)	
	20	WO 00/34739	06/15/00	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							

 EXAMINER
 *EXAMINER



DATE CONSIDERED

2/9/05

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket Number
9220-3

Serial No.
09/684,184

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)



Applicants: Ping Fu et al.

Filing Date: October 6, 2000

Group
2123

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
1	1	6,271,856	08/07/01	Krishnamurthy	345	429	
2	2	6,256,038	07/03/01	Krishnamurthy	345	419	
3	3	6,256,039	07/03/01	Krishnamurthy	345	420	
4	4	6,208,347	03/27/01	Migdal et al.	345	419	
5	5	6,205,243	03/20/01	Migdal et al.	382	154	
6	6	6,176,427	01/23/01	Antognini et al.	235	454	
7	7	6,133,921	10/17/00	Turkiyyah et al.	345	420	
8	8	6,108,006	08/22/00	Hoppe	345	423	
9	9	6,100,893	08/08/00	Ensz et al.	345	420	
10	10	6,044,170	03/28/00	Migdal et al.	382	154	
11	11	5,995,650	11/30/99	Migdal et al.	345	154	
12	12	5,915,031	06/22/99	Hanright	381	323	
13	13	5,889,874	03/30/99	Schmitt et al.	381	328	
14	14	5,886,702	03/23/99	Migdal et al.	345	423	
15	15	5,875,254	02/23/99	Hanright	381	329	
16	16	5,850,229	12/15/98	Edelsbrunner et al.	345	473	
17	17	5,760,783	06/02/98	Migdal et al.	345	473	
18	18	5,617,322	04/01/97	Yokota	364	468.04	
19	19	5,600,060	02/04/97	Grant	73	147	
20	20	5,487,012	01/23/96	Topholm et al.	364	474.05	
21	21	5,056,204	10/15/91	Bartschi	29	169.5	
22	22	4,719,585	01/12/88	Cline et al.	364	518	

EXAMINER
EXAMINER

Dough A.Z.

DATE CONSIDERED

2/9/05

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket Number
9220-3

Serial No.
69/684,184

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)



Applicants: Ping Fu et al.

Filing Date: October 6, 2000

Group
2123

RECEIVED
SEP 14 2001
Group 2100

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes No
1A	23	WO 01/05207	01/25/01	PCT		
	24	WO 00/76268	12/14/00	PCT		
	25	WO 00/19769	04/06/00	PCT		
	26	WO 00/08895	02/17/00	PCT		
	27	WO 92/11737	07/09/92	PCT		
	28	WO 92/03894	03/05/92	PCT		
	29	WO 85/04779	10/24/85	PCT		
	30	62-032800	02/12/87	Japan		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

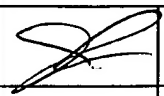

1A	31	"Computing Dirichlet tessallations," Bowyer, The Computer Journal, Vol. 24, No. 2, 1981, pp. 162-166,
	32	"Optimal Surface Reconstruction From Planar Contours," Fuchs et al., Communications, Vol. 20, October 1977, pp. 693-702
	33	"Geometric Structures for Three-Dimensional Shape Representation," Boissonnat, ACM Transactions on Graphics, Vol. 3, No. 4, October 1984, pp. 267-286
	34	"Shape Reconstruction From Planar Cross Sections," Boissonnat, Computer Vision, Graphics and Image Processing, Vol. 44, 1988, pp. 1-29
	35	"Construction of three-dimensional Delaunay triangulations using local transformations," Joe, Computer Aided Geometric Design, Vol. 8, 1999, pp. 123-142
	36	"Surface Reconstruction From Unorganized Points," Hoppe et al. Computer Graphics, Vol. 26, July 1992, pp. 71-78
	37	"Surfaces From Contours," Meyers et al., ACM Transactions on Graphics, Vol. 11, No. 3, July 1992, pp. 228-258
	38	"Closed Object Boundaries From Scattered Points," Remco Coenraad Veltkamp, Proefschrift Rotterdam, Netherlands, 1991, pp. 1-149
	39	"Mesh Optimization," Hoppe et al., Computer Graphics Proceedings, Annual Conference Series, 1993, pp. 19-26
	40	"Incremental Topological Flipping Works for Regular Triangulations," Edelsbrunner et al., Algorithmica, 1996, pp. 223-241
	41	"Three-Dimensional Alpha Shapes," Edelsbrunner et al., ACM Transactions on Graphics., Vol. 13, No. 1, January 1994, pp. 43-72

EXAMINER
EXAMINER

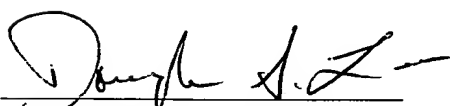
DATE CONSIDERED

Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

2/1/05

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office		Attorney Docket Number 9220-3	Serial No. 684,184
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		Applicants: Ping Fu et al.	RECEIVED SEP 14 2001 Group 2100
		Filing Date: October 6, 2000	Group 2123
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) - Continued			
	42	"Piecewise Smooth Surface Reconstruction," Hoppe et al., Computer Graphics Proceedings, Annual Conference Series, 1994, pp. 295-302	
	43	"Smooth Spline Surfaces Over Irregular Meshes," Loop, Computer Graphics Proceedings, Annual Conference Series, 1994, pp. 303-310	
	44	"C-Surface Splines," Peters, Society for Industrial and Applied Mathematics, Vol. 32, No. 2, 1995, pp. 645-666	
	45	"Modeling With Cubic A-Patches," Bajaj et al., ACM Transactions on Graphics, Vol. 14, No. 2, April 1995, pp. 103-133	
	46	"Automatic Reconstruction of Surfaces and Scalar Fields from 3D Scans," Bajaj et al., Computer Graphics Proceedings, Annual Conference Series, 1995, pp. 109-118	
	47	"Piecewise-Linear Interpolation Between Polygonal Slices," Barequet et al., Computer Vision and Image Understanding, Vol. 63, No. 2, March 1996, pp. 251-272	
	48	"A Volumetric Method for Building Complex Models from Range Images," Curless et al., Computer Graphics Proceedings, Annual Conference Series, August 1996, pp. 303-312	
	49	"Automatic Reconstruction of B-Spline Surfaces of Arbitrary Topological Type," Eck et al., Computer Graphics Proceedings, Annual Conference Series, August 1996, pp. 325-334	
	50	"Fitting Smooth Surfaces to Dense Polygon Meshes," Krishnamurthy et al., "SIGGRAPH 96, New Orleans, Louisiana, August 4-9, 1996, pp. 313-324	

EXAMINER
EXAMINER



DATE CONSIDERED

2/19/05

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**COPY OF PAPERS
ORIGINALLY FILED**

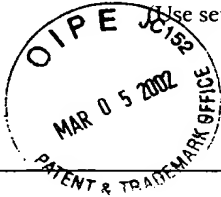
Sheet 1 of 1

FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket Number
9220-3

Serial No.
09/684,184

LIST OF DOCUMENTS CITED BY APPLICANT



(Use several sheets if necessary)

Applicants: Ping Fu et al.

Filing Date: October 6, 2000

Group
2123

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
GA	1	6,285,372	09/04/01	Cowsar et al.	345	425	

RECEIVED
MAR 13 2002
Technology Center 2100

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER
*EXAMINER

Joseph A. L.
Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw/line through citation if not in conformance and not reconsidered. Include cover of this form with next communication to applicant.

DATE CONSIDERED

2/8/05

[illegible]

EXAMINER
*EXAMINER

DATE CONSIDERED

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket Number
9220-3

Serial No.
09/684,184

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

Applicants: Ping Fu et al.

Filing Date: October 6, 2000

Group
2123



U. S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
1	6,167,138	12/26/00	Shennib	381	60	

TC 280 MAIL ROOM

RECEIVED
FEB 24 2003

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No
2	WO02/071794 A1	9/12/02	PCT		
3	WO01/087001 A2	7/26/01	PCT		
4	WO01/087001 A3	7/26/01	PCT		
5	WO01/52737 A1	1/23/01	PCT		
6	WO92/11737	7/9/92	PCT		
7	09-10300	4/15/97	Japan		(X) Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Douglas L. L...

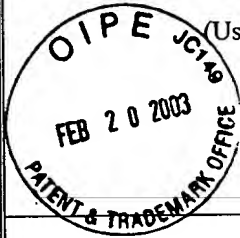
2/19/05

FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket Number
9220-3

Serial No.
09/684,184

LIST OF DOCUMENTS CITED BY APPLICANT



(Use several sheets if necessary)

Applicants: Ping Fu et al.

Filing Date: October 6, 2000

Group
2123

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
12	1	6,496,587	12/17/02	Mueller	381	330	
	2	6,484,842	11/26/02	Widmer et al.	181	129	
	3	6,401,859	6/11/02	Widmer et al.	181	135	
	4	2003/0021434	1/30/03	Hessel et al.	381	312	7/26/01
	5	2002/0198437	12/26/02	Juneau et al.	600	25	3/11/02
	6	2002/0196954	12/26/02	Marxen et al.	381	312	6/22/01
	7	2002/0176584	11/28/02	Kates	381	60	5/17/02
	8	2002/0138237	9/26/02	Topholm	703	1	4/23/01
12	9	2002/0136420	9/26/02	Topholm	381	312	4/23/01

RECEIVED

FEB 24 2003

Technology Center 2100

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Danish S. Z...


2/9/05

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if conformance and not considered. Include copy of this form with next communication to applicant.



Electronic Information Disclosure Statement

Manufacturing Methods and Systems for Rapid Production of Hearing-Aid Shells

Application: 
09/684184

Confirmation: 3390

Applicant(s): Ping Fu

Docket Number: 9220-3

Group Art Unit: 2123

Examiner: Kevin J. Teska



search string: (6377865 or 20030067461).pn.

RECEIVED
APR 14 2003
Technology Center 2100

14

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
	P01	6377865	2002-04-23		Edelsbrunner et al.	700	98

Published Applications

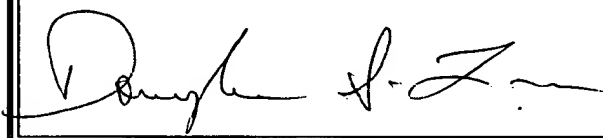
Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation	Patent Number	Date	Bar Code	Patentee	Class	Subclass
------	----------	---------------	------	----------	----------	-------	----------

14

No.						
U01	20030067461	2003-04-10		Fletcher et al.	345	420

Signature

Examiner Name	Date
	2/9/05

FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket Number
9220-3Serial No.
09/684,184

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

Applicants: Ping Fu et al.

Filing Date: October 6, 2000

Group
2123

U. S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No
1/2 WO03/027961	4-3-2003	PCT			

RECEIVED

APR 23 2003

Technology Center 2100

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Dough S. L.

2/9/05



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

#16

Title of Invention	Manufacturing Methods and Systems for Rapid Production of Hearing-Aid Shells
--------------------	--

Application Number: 09/684184
Confirmation Number: 3390
First Named Applicant: Ping Fu
Attorney Docket Number: 9220-3
Art Unit: 2133
Examiner: Mr. Kevin J. Teska
Search string: (6512993 or 6374198 or 6545676 or 6532299
or 6420698 or 5621648 or 20030058242 or
20030001835 or 20030072011 or 20030071194
or 20030034976 or 20020196954 or
20020158880 or 20020145607 or 20020114537
or 20020059042 or 20020006217).pn.

RECEIVED

MAY 20 2003

Technology Center 2100

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	6512993	2003-01-28	Kacyra	B2	702	159
<input checked="" type="checkbox"/>	2	6374198	2003-04-16	Schifa	B1	703	2
<input checked="" type="checkbox"/>	3	6545676	2003-04-08	Ryan	B1	345	423
<input checked="" type="checkbox"/>	4	6532299	2003-03-11	Sachdeva	B1	382	128
<input checked="" type="checkbox"/>	5	6420698	2002-07-16	Dimsdale	B1	250	234
<input checked="" type="checkbox"/>	6	5621648	1997-04-15	Crump		364	468.19

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	20030058242	2003-03-27	Redlich	A1	345	427
<input checked="" type="checkbox"/>	2	20030001835	2003-01-02	Dimsdale	A1	345	419
<input checked="" type="checkbox"/>	3	20030072011	2003-04-17	Shirley	A1	356	601

#16

<i>M</i>	4	20030071194	2003-04-17	Mueller	A1	250	208.1
	5	20030034976	2003-02-20	Raskar	A1	345	427
	6	20020196954	2002-12-26	Marxen	A1	381	312
	7	20020158880	2002-10-31	Williams	A1	345	582
	8	20020145607	2002-10-10	Dimsdale	A1	345	423
	9	20020114537	2002-08-22	Sutula Jr.	A1	382	285
	10	20020059042	2002-05-16	Kacyra	A1	702	152
<i>1/2</i>	11	20020006217	2002-01-17	Rubbert	A1	382	131

Signature

Examiner Name	Date
<i>Douglas L. L.</i>	<i>2/9/05</i>

